



IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Reena Premi, William S. Herz and Ignatius B. Tjandrasuwita
SERIAL NO.: 08/969,637
FILING DATE: November 13, 1997
TITLE: System and Methods for 2-Tap/3-Tap Flicker Filtering
EXAMINER: Unknown
GROUP ART UNIT: 2774
ATTY. DKT. NO.: 2723

| CERTIFICATE OF MAILING | | | |
|---|-----------------------|--------|---------------------|
| I hereby certify that this correspondence, including the enclosures identified above, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on the date shown below. If the Express Mail Mailing Number is filled in below, then this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service pursuant to 37 CFR 1.10. | | | |
| Signature: | <i>Greg T. Suedra</i> | | |
| Typed or Printed Name: | GREG T. SUEDRA | Dated: | <i>Sept 3, 1998</i> |
| Express Mail Mailing Number (optional): | EM590539435US | | |

BOX MISSING PARTS
ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

PETITION FOR FILING ON BEHALF OF AN OMITTED INVENTOR
UNDER 37 C.F.R. § 1.47(a)

Dear Sir:

Two of the above-named Applicants, Reena Premi and William S. Herz, hereby petition the Commissioner to accept the filing of the above-referenced patent application by them, as joint inventors of the invention disclosed and claimed in the patent application, on behalf of, and as agent for, the omitted inventor, Ignatius B. Tjandrasuwita.

The complete name, last known residence address, and citizenship of the omitted inventor, who cannot be reached or found after diligent effort and/or appears to be effectively refusing to execute a timely declaration, is:

Ignatius B. Tjandrasuwita
32421 Seaside Drive
Union City, CA 94587
Citizen of the United States.

A Declaration of Facts in Support of Filing on Behalf of an Omitted Inventor is attached to provide proof of the pertinent facts concerning the diligent effort to reach and find the omitted inventor to join in the above-referenced patent application. The Declaration of Facts also supports joint inventorship of the above-referenced patent application entitling the other named inventors, Reena Premi and William S. Herz, to file the application on behalf of the omitted inventor, Ignatius B. Tjandrasuwita.

As stated in the attached Declaration of Facts, Ignatius B. Tjandrasuwita is a joint inventor of the subject matter of the above-referenced patent application along with Reena Premi and William S. Herz. Mr. Tjandrasuwita cannot be reached or found to sign a timely declaration after diligent effort to obtain his signature and/or appears to be effectively refusing to execute a timely declaration. Therefore, Reena Premi and William S. Herz, as joint inventors, make this application on behalf of, and as agent for, the omitted inventor, Ignatius B. Tjandrasuwita, under 37 C.F.R. § 1.47(a).

A Declaration and Power of Attorney signed by the joint inventors, Reena Premi and William S. Herz, on their own behalf and on behalf of the omitted inventor, Ignatius B. Tjandrasuwita, is enclosed.

The fee required of \$130.00 pursuant to 37 C.F.R. § 1.17(h) is enclosed.

Respectfully submitted,

Reena Premi
William S. Herz

Date: Sept. 3, 1998

By Michael W. Farn

Michael W. Farn
Registration No. 41,015
Fenwick & West LLP
Two Palo Alto Square, Suite 700
Palo Alto, CA 94087
(650) 858-7823

OCT 18 1999

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Reena Premi, William S. Herz and Ignatius B. Tjandrasuwita
SERIAL NO.: 08/969,637
FILING DATE: November 13, 1997
TITLE: System and Methods for 2-Tap/3-Tap Flicker Filtering
EXAMINER: Unknown
GROUP ART UNIT: 2774
ATTY. DKT. NO.: 2723

CERTIFICATE OF MAILING

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| | | |
|---|--------------------|-----------------------------|
| Signature: | <i>Darryl Star</i> | |
| Typed or Printed Name: | GREG T. SUEOKA | Dated: <i>Sept. 3, 1999</i> |
| Express Mail Mailing Number (optional): | EM590539435US | |

BOX MISSING PARTS
ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

**DECLARATION OF FACTS IN SUPPORT OF FILING ON BEHALF OF OMITTED INVENTOR UNDER
37 C.F.R. § 1.47(a)**

Dear Sir:

This Declaration of Facts is made as to the facts which are relied upon to establish diligent effort to secure the execution of a Declaration by the omitted inventor, Ignatius B. Tjandrasuwita, for the above-referenced patent application before and after deposit of said application in the U.S. Patent and Trademark Office.

This Declaration of Facts is being made by an available person having first-hand knowledge of the facts recited therein.

I, Michael W. Farn, being employed as an attorney by Fenwick & West LLP ("Fenwick & West") and having a business address of Two Palo Alto Square, Palo Alto, CA 94306, hereby declare that:

1. I am a patent attorney registered to practice before the U.S. Patent and Trademark Office (Reg. No. 41,015).

2. Mr. Greg Sueoka is a partner at Fenwick & West and is a patent attorney registered to practice before the U.S. Patent and Trademark Office (Reg. No. 33,800).

3. Mr. Sueoka and I are assisting in and are responsible for the prosecution of the above-referenced patent application for S3 Incorporated, 2801 Mission College Boulevard, Santa Clara, California 95052-8052 ("S3").

4. S3 is the real party in interest and, on information and belief, is entitled to assignment of all inventor rights and interests involving the above-referenced patent application.

5. On November 13, 1997, I filed the above-referenced patent application in the USPTO. The application as filed named three inventors: Ms. Reena Premi, Mr. William S. Herz, and Mr. Ignatius B. Tjandrasuwita. On information provided in an invention disclosure signed by Ms. Premi, Mr. Herz and Mr. Tjandrasuwita in August 1996 and from a meeting with Ms. Premi and Mr. Sueoka to discuss the invention in October 1997, I believe that Mr. Tjandrasuwita is a joint inventor with Ms. Premi and Mr. Herz in the above-referenced patent application.

6. On January 23, 1998, I mailed a package containing the patent application as filed, an unexecuted declaration, and an unexecuted assignment, to Mr. Tjandrasuwita at his last known address at that time, 32421 Seaside Drive, Union City, CA 94587, via United States Postal Service Certified Mail - Return Receipt Requested. A true copy of the cover letter for this package, the unexecuted declaration, the unexecuted assignment, and the Certified Mail Receipt are attached as Exhibit A.

7. On or about January 26, 1998, I received the Return Receipt postcard from the United States Postal Service. The Return Receipt postcard is signed in the agent signature block and, therefore, would indicate delivery and receipt of the patent application packet by either Mr. Tjandrasuwita or his agent. A true copy of the Return Receipt postcard is attached as Exhibit B.

8. On January 29, 1998, I telephoned Mr. Tjandrasuwita at his last known number at that time, 510-489-3175, to inquire regarding the status of the package previously mailed to Mr. Tjandrasuwita. My telephone call was received by an answering machine. I left a message inquiring about the status of the previously mailed declaration.

9. On February 19, 1998, I again telephoned Mr. Tjandrasuwita to inquire regarding the status of the package previously mailed to Mr. Tjandrasuwita. My telephone call was again received by an answering machine. I again left a message inquiring about the status of the previously mailed declaration.

10. On March 19, 1998, I mailed a second package containing the patent application as filed, an unexecuted declaration, and an unexecuted assignment, to Mr. Tjandrasuwita at his last known address at that time, 32421 Seaside Drive, Union City, CA 94587, via United States Postal Service Certified Mail - Return Receipt Requested. A true copy of the cover letter for this package, the unexecuted declaration, the unexecuted assignment, and the Certified Mail Receipt are attached as Exhibit C.

11. On or about March 24, 1998, I again telephoned Mr. Tjandrasuwita to inquire regarding the status of the two packages previously mailed to Mr. Tjandrasuwita. My telephone call was again received by an answering machine. I again left a message inquiring about the status of the previously mailed declaration.

12. On or about April 7, 1998, my package of March 19, 1998 was returned to me by the United States Postal Service as unclaimed. The package, when returned, appeared to have

been previously opened and then taped closed again. A true copy of the front mailing surface of this package is attached as Exhibit D.

13. On information and belief, Mr. Leif Sloan, who is the patent agent for S3 overseeing prosecution of the above-referenced patent application, has also repeatedly telephoned Mr. Tjandrasuwita during the period from April 7, 1998 to present to inquire regarding whether Mr. Tjandrasuwita intends to execute a declaration and assignment for the above-referenced patent application. All of Mr. Sloan's telephone calls either rang unanswered or were received by an answering machine. To date, Mr. Sloan has not received from Mr. Tjandrasuwita any communications, including any response to his multiple telephone calls, an executed declaration, and/or an executed assignment, regarding the above-referenced patent application.

14. To date, I have not received from Mr. Tjandrasuwita any communications, including any response to my multiple telephone calls, an executed declaration, and/or an executed assignment, regarding the above-referenced patent application. Mr. Tjandrasuwita cannot be reached or found and/or appears to be effectively refusing to execute a timely declaration.

I hereby declare that all statements made herein to the best of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful statements may jeopardize the validity of the application or any patent issued thereon.

Respectfully submitted,

Date: SEPT. 2, 1998



Michael W. Farn
Registration No. 41,015
Fenwick & West LLP
Two Palo Alto Square, Suite 700
Palo Alto, CA 94306
(650) 858-7823

OCT 18 1999

PTO/SB/01 (6-95) (modified)

OMB 0651-0032

Approved for use through 10/31/96 OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

| | | | |
|--|---|------------------------|--|
| U.S. Department of Commerce Patent and Trademark Office | | Attorney Docket Number | 2723 |
| | | First Named Inventor | Reena Premi |
| <i>COMPLETE IF KNOWN</i> | | | |
| | | Application Number | 08/969,637 |
| | | Filing Date | November 13, 1997 |
| | | Group Art Unit | Unknown |
| | | Examiner Name | Unknown |
| <input type="checkbox"/> | Declaration Submitted with Initial Filing | OR | <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing |

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SYSTEM AND METHODS FOR 2-TAP / 3-TAP FLICKER FILTERING

the specification of which *(Title of the Invention)*

[] is attached hereto

OR

[X] was filed on (MM/DD/YYYY) [November 13, 1997] as United States Application Number or PCT International

Application Number [08/969,637] and was amended on (MM/DD/YYYY) [] (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code § 119 (a)-(d) or § 385(b) of any foreign application(s) for patent or inventor's certificate, or § 365 (a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

| Or of any PCT International application having a filing date before that of the application on which priority is claimed. | | | | | |
|---|---------|----------------------------------|-------------------------|---------------------------------|--------------------------------|
| Prior Foreign Application Number(s) | Country | Foreign Filing Date (MM/DD/YYYY) | Priority Not Claimed | Certified Copy Attached? YES | Certified Copy Attached? NO |
| | | | [] | [] | [] |
| | | | [] | [] | [] |
| | | | [] | [] | [] |
| | | | [] | [] | [] |
| | | | [] | [] | [] |

[] Additional foreign application numbers are listed on a supplemental priority sheet attached hereto:

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

| | | |
|-----------------------|--------------------------|--|
| Application Number(s) | Filing Date (MM/DD/YYYY) | <input checked="" type="checkbox"/> Additional provisional application numbers are listed on a supplemental sheet attached hereto. |
| | | |

DECLARATION

Page 2 of 4

I hereby claim the benefit under Title 35, United States Code § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

| U.S. Parent Application Number | PCT Parent Number | Parent Filing Date (MM/DD/YYYY) | Parent Patent Number <i>(if applicable)</i> |
|--------------------------------|-------------------|---------------------------------|--|
| | | | OCT 18 1999 PATENT & TRADEMARK OFFICE |

Additional U.S. or PCT international application numbers are listed on a supplemental priority sheet attached hereto.

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

| Name | Registration Number | Name | Registration Number |
|--|----------------------------|------|---------------------|
| Sanjay Prasad Greg T. Sueoka Michael W. Farn | 36,247 33,800 41,015 | | |

Additional attorney(s) and/or agent(s) named on a supplemental sheet attached hereto.

Please direct all correspondence to:

Michael W. Farn
Fenwick & West LLP
Two Palo Alto Square, Suite #700
Palo Alto, California 94306
U.S.A.

| | | | |
|-----------|------------------|-----|----------------|
| Telephone | (415) 858 - 7823 | Fax | (415) 494-1417 |
|-----------|------------------|-----|----------------|

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| | | | | | | | | | |
|---|-------------|---|-------|-------------|---------|--------|---------|-----------------|-------|
| Name of Sole or First Inventor: | | <input type="checkbox"/> A petition has been filed for this unsigned inventor | | | | | | | |
| Given Name | Reena | Middle Initial | | Family Name | Premi | | | Suffix e.g. Jr. | |
| Inventor's Signature | Reena Premi | | | | | Date | 3/30/93 | | |
| Residence: City | Albany | | State | CA | Country | U.S.A. | | Citizenship | India |
| Mailing Address | | 724 Curtis Street | | | | | | | |
| Mailing Address | | | | | | | | | |
| City | Albany | | State | CA | Zip | 94706 | Country | U.S.A. | |
| <input checked="" type="checkbox"/> Additional inventors are being named on supplemental sheet(s) attached hereto | | | | | | | | | |

DECLARATION

OCT 18 1999
PATE
DEPT OF

Page 3 of 4
ADDITIONAL INVENTOR(S)
Supplemental Sheet

Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor

| | | | | | | | |
|----------------------|---------------------|----------------|----|-------------|--------|-----------------|--------|
| Given Name | William | Middle Initial | S. | Family Name | Herz | Suffix e.g. Jr. | |
| Inventor's Signature | | | | | Date | | |
| Residence: City | Newark | State | CA | Country | U.S.A. | Citizenship | U.S.A. |
| Mailing Address | 39708 Potrero Drive | | | | | | |
| Mailing Address | | | | | | | |
| City | Newark | State | CA | Zip | 94560 | Country | U.S.A. |

Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor

| | | | | | | | |
|----------------------|---------------------|----------------|----|-------------|---------------|-----------------|--------|
| Given Name | Ignatius | Middle Initial | B. | Family Name | Tjandrasuwita | Suffix e.g. Jr. | |
| Inventor's Signature | | | | | Date | | |
| Residence: City | Union City | State | CA | Country | U.S.A. | Citizenship | U.S.A. |
| Mailing Address | 32421 Seaside Drive | | | | | | |
| Mailing Address | | | | | | | |
| City | Union City | State | CA | Zip | 94587 | Country | U.S.A. |

Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor

| | | | | | | | |
|----------------------|--|----------------|--|-------------|------|-----------------|--|
| Given Name | | Middle Initial | | Family Name | | Suffix e.g. Jr. | |
| Inventor's Signature | | | | | Date | | |
| Residence: City | | State | | Country | | Citizenship | |
| Mailing Address | | | | | | | |
| Mailing Address | | | | | | | |
| City | | State | | Zip | | Country | |

Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor

| | | | | | | | |
|----------------------|--|----------------|--|-------------|------|-----------------|--|
| Given Name | | Middle Initial | | Family Name | | Suffix e.g. Jr. | |
| Inventor's Signature | | | | | Date | | |
| Residence: City | | State | | Country | | Citizenship | |
| Mailing Address | | | | | | | |
| Mailing Address | | | | | | | |
| City | | State | | Zip | | Country | |

Additional inventors are being named on supplemental sheet(s) attached hereto

DECLARATION**Page 4 of 4
SUPPLEMENTAL DECLARATION BY A JOINT
INVENTOR ON BEHALF OF OMITTED
INVENTOR(S) PURSUANT TO 37 CFR 1.47(a)**

I am an above named joint inventor and have signed this declaration on my own behalf and also sign this declaration under 37 CFR 1.47(a) on behalf of the omitted joint inventor(s), named: Ignatius B. Tjandrasuwita, who refuses to sign or cannot be reached or found after diligent search.

It is my information and belief that the country of citizenship of each omitted joint inventor is: USA.

It is my information and belief that the residence address and last known address of each omitted inventor is the address stated above, next to the name of each omitted inventor.

It is my information and belief that each omitted inventor is an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention stated above.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



Reena Premi

8/30/98

Signed

Date

Reena Premi

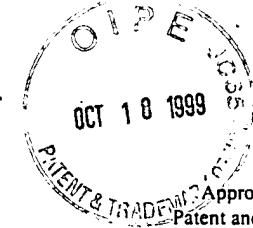
Print Name

Signed

Date

William S. Herz

Print Name



PTO/SB/01 (6-95) (modified)

OMB 0651-0032

Approved for use through 10/31/96
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

| | | | |
|---|--|------------------------|-------------------|
| 0010/PTO Rev. 6/95 | U.S. Department of Commerce Patent and Trademark Office | Attorney Docket Number | 2723 |
| | | First Named Inventor | Reena Premi |
| COMPLETE IF KNOWN | | | |
| | | Application Number | 08/969,637 |
| | | Filing Date | November 13, 1997 |
| | | Group Art Unit | Unknown |
| <input type="checkbox"/> Declaration Submitted with Initial Filing OR <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing | | Examiner Name | Unknown |

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SYSTEM AND METHODS FOR 2-TAP / 3-TAP FLICKER FILTERING

the specification of which *(Title of the Invention)* is attached hereto

OR

 was filed on (MM/DD/YYYY) [November 13, 1997] as United States Application Number or PCT International Application Number [08/969,637] and was amended on (MM/DD/YYYY) [] (if applicable).

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| Prior Foreign Application Number(s) | Country | Foreign Filing Date (MM/DD/YYYY) | Priority Not Claimed | Certified Copy Attached? YES | Certified Copy Attached? NO |
|-------------------------------------|---------|----------------------------------|--------------------------|---------------------------------|--------------------------------|
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
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| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

| Application Number(s) | Filing Date (MM/DD/YYYY) | <input type="checkbox"/> Additional provisional application numbers are listed on a supplemental sheet attached hereto. |
|-----------------------|--------------------------|---|
| | | |

OCT 18 1999

DECLARATION

Page 2 of 4

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| U.S. Parent Application Number | PCT Parent Number | Parent Filing Date (MM/DD/YYYY) | Parent Patent Number (if applicable) |
|--------------------------------|-------------------|---------------------------------|---|
| | | | |

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As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

| Name | Registration Number | Name | Registration Number |
|--|----------------------------|------|---------------------|
| Sanjay Prasad Greg T. Sueoka Michael W. Farn | 36,247 33,800 41,015 | | |

[] Additional attorney(s) and/or agent(s) named on a supplemental sheet attached hereto.

Please direct all correspondence to:

Michael W. Farn
Fenwick & West LLP
Two Palo Alto Square, Suite #700
Palo Alto, California 94306
U.S.A.

| | | | |
|-----------|------------------|-----|----------------|
| Telephone | (415) 858 - 7823 | Fax | (415) 494-1417 |
|-----------|------------------|-----|----------------|

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| | | | | | | | | | |
|---|--------|--|----------------|----|-------------|--------|---------|-----------------|-------|
| Name of Sole or First Inventor: | | [] A petition has been filed for this unsigned inventor | | | | | | | |
| Given Name | Reena | | Middle Initial | | Family Name | Premi | | Suffix e.g. Jr. | |
| Inventor's Signature | | | | | | Date | | | |
| Residence: City | Albany | | State | CA | Country | U.S.A. | | Citizenship | India |
| Mailing Address | | 724 Curtis Street | | | | | | | |
| Mailing Address | | | | | | | | | |
| City | Albany | | State | CA | Zip | 94706 | Country | U.S.A. | |
| [X] Additional inventors are being named on supplemental sheet(s) attached hereto | | | | | | | | | |

DECLARATION

Page 3 of 4
ADDITIONAL INVENTOR(S)
Supplemental Sheet

OCT 1

1999

Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor

| | | | | | | | |
|----------------------|------------------------|----------------|----|-------------|--------|-----------------|--------|
| Given Name | William | Middle Initial | S. | Family Name | Herz | Suffix e.g. Jr. | |
| Inventor's Signature | <i>William S. Herz</i> | | | | Date | 8-28-98 | |
| Residence: City | Newark | State | CA | Country | U.S.A. | Citizenship | U.S.A. |
| Mailing Address | 39708 Potrero Drive | | | | | | |
| Mailing Address | | | | | | | |
| City | Newark | State | CA | Zip | 94560 | Country | U.S.A. |

Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor

| | | | | | | | |
|----------------------|---------------------|----------------|----|-------------|---------------|-----------------|--------|
| Given Name | Ignatius | Middle Initial | B. | Family Name | Tjandrasuwita | Suffix e.g. Jr. | |
| Inventor's Signature | | | | | Date | | |
| Residence: City | Union City | State | CA | Country | U.S.A. | Citizenship | U.S.A. |
| Mailing Address | 32421 Seaside Drive | | | | | | |
| Mailing Address | | | | | | | |
| City | Union City | State | CA | Zip | 94587 | Country | U.S.A. |

Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor

| | | | | | | | |
|----------------------|--|----------------|--|-------------|------|-----------------|--|
| Given Name | | Middle Initial | | Family Name | | Suffix e.g. Jr. | |
| Inventor's Signature | | | | | Date | | |
| Residence: City | | State | | Country | | Citizenship | |
| Mailing Address | | | | | | | |
| Mailing Address | | | | | | | |
| City | | State | | Zip | | Country | |

Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor

| | | | | | | | |
|--|--|----------------|--|-------------|------|-----------------|--|
| Given Name | | Middle Initial | | Family Name | | Suffix e.g. Jr. | |
| Inventor's Signature | | | | | Date | | |
| Residence: City | | State | | Country | | Citizenship | |
| Mailing Address | | | | | | | |
| Mailing Address | | | | | | | |
| City | | State | | Zip | | Country | |
| <input type="checkbox"/> Additional inventors are being named on supplemental sheet(s) attached hereto | | | | | | | |

DECLARATION

Page 4 of 4

**SUPPLEMENTAL DECLARATION BY A JOINT
INVENTOR ON BEHALF OF OMITTED
INVENTOR(S) PURSUANT TO 37 CFR 1.47(a)**

I am an above named joint inventor and have signed this declaration on my own behalf and also sign this declaration under 37 CFR 1.47(a) on behalf of the omitted joint inventor(s), named: Ignatius B. Tjandrasuwita, who refuses to sign or cannot be reached or found after diligent search.

It is my information and belief that the country of citizenship of each omitted joint inventor is: USA.

It is my information and belief that the residence address and last known address of each omitted inventor is the address stated above, next to the name of each omitted inventor.

It is my information and belief that each omitted inventor is an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention stated above.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



| | |
|------------------------|---------|
| Signed | Date |
| <u>Reena Premi</u> | |
| Print Name | |
| | |
| <u>William S. Herz</u> | 8-28-98 |
| Signed | Date |
| <u>William S. Herz</u> | |
| Print Name | |

Exhibit A

MW7/DKC
Z 701 860 754
18235-02723



**Receipt for
Certified Mail**

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

| | |
|---|----------------------|
| Sent to | I. Tjandrasuwita |
| Street and No. | 32421 Seaside Drive |
| P.O., State and ZIP Code | Union City, CA 94587 |
| Postage | \$ 3.00 |
| Certified Fee | 1.30 |
| Special Delivery Fee | |
| Restricted Delivery Fee | |
| Return Receipt Showing to Whom & Date Delivered | 1.10 |
| Return Receipt Showing to Whom, Date, and Addressee's Address | |
| TOTAL Postage & Fees | \$ 5.45 |
| Postmark or Date | JAN 23 1993 |

PS Form 3800, March 1993

Exhibit A, Page 1

MW7/DKC
Z 701 860 754
18235-02723



**Receipt for
Certified Mail**

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

| | |
|--|----------------------|
| Sent to | I. Tjandrasuwita |
| Street and No. | 32421 Seaside Drive |
| P.O., State and ZIP Code | Union City, CA 94587 |
| Postage | \$ 3.00 |
| Certified Fee | 1.35 |
| Special Delivery Fee | |
| Restricted Delivery Fee | |
| Return Receipt Showing to Whom & Date Delivered | .10 |
| Return Receipt Showing to Whom, Date, and Addressee's Address | |
| TOTAL Postage & Fees | \$ 5.45 |
| Postmark or Date | 1/11/93 |

PS Form 3800, March 1993

FENWICK & WEST LLP

A LIMITED LIABILITY PARTNERSHIP
INCLUDING PROFESSIONAL CORPORATIONS

SUITE 300
100 THE EMBARCADERO
SAN FRANCISCO, CA 94105
(415) 281-1330

TWO PALO ALTO SQUARE
PALO ALTO, CALIFORNIA 94306
TELEPHONE: (415) 494-0600
FACSIMILE: (415) 494-1417

SUITE 650
1920 N STREET NORTHWEST
WASHINGTON, D.C. 20036
(202) 463-6300

January 23, 1998

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Ignatius Tjandrasuwita - phone is 510-489-3175
32421 Seaside Drive
Union City, CA 94587

RE: U.S. Patent Application Serial No.: 08/ 969,637
Title: System and Methods for 2-Tap/ 3-Tap Flicker Filtering
Filed: November 13, 1997
Inventor: Reena Primi, William S. Herz, Ignatius B. Tjandrasuwita
Our Ref.: Case 2723
Your Ref.: 96MB0008

Dear Ignatius:

I am pleased to enclose for your information the above-identified patent application, filed on November 13, 1997, for which we believe you may be an inventor. Please review the specification, claims, and drawings. If you do not believe that you are an inventor to this application, please contact me so we may remove you as one of the named inventors. If you believe that you are an inventor, please execute the attached documents as follows after you review the specification.

Declaration and Power of Attorney: Please sign and date where indicated.

Assignment: Please review this document carefully, and, if appropriate, sign and date where indicated. Please note that you must sign the Declaration before you sign the Assignment. It is preferable, although not necessary, to execute the Assignment in the presence of a notary public.

Note that there are two date columns on the assignment. In the first date column, you should write the date on which you signed the Assignment. In the second date column, you should write the date on which you signed the Declaration.

Please send the original application and executed documents back to me using the enclosed Federal Express envelope.

This letter is also a reminder of your duty, under Title 37, Code of Federal Regulations, §1.56(a), to disclose to the United States Patent and Trademark Office (USPTO) any information you are aware of that is material to the examination of this patent application.

We request that you send such information to us as soon as possible for review and, if necessary, filing in the USPTO prior to February 13, 1997. The rest of this letter explains your duty in greater detail.

Who Has A Duty to Disclose? All individuals associated with the filing or prosecution of the application have a duty of candor and good faith toward the USPTO, including a duty to disclose material information of which they are aware. These individuals include:

- each inventor;
- each attorney or agent who prepares or prosecutes the application;
- every other person who is substantively involved in the preparation or prosecution of the application; and
- individuals other than the attorney, agent or inventor, who have disclosed information to the attorney, agent or inventor.

We regularly satisfy the obligation of these individuals by preparing and sending an Information Disclosure Statement (IDS) to the PTO after filing an application.

What Information Should be Disclosed to the PTO? You should disclose any publication of which you are aware that describes a device or method similar to that claimed in the patent application, or that discloses a significant concept or feature of the invention. Publications include, for example, patents, articles, promotional literature, user manuals, conference proceedings, and files publicly available anywhere on the Internet, the World Wide Web, or any other computer service or network.

Are Publications and Patents the Only Items to Disclose? No. You should disclose any public use, public disclosure, sale or offer for sale of the invention or any similar device that occurred in this country more than one year prior to the filing date of the application. A public use or disclosure is one made to others who are not under an obligation of confidentiality. Offers for sale may include promotional displays, marketing tests, price lists, beta tests, or other acts indicating an intent to commercialize the invention, whether made in public or under a non-disclosure agreement. You should also disclose any knowledge or use of the invention by others in this country, of which you are aware, prior to your date of invention.

Do I Have to Disclose My Own Publications or Patents? Yes. You should submit all publications, patents, or other information, even if you are the author or inventor.

Do I Have to do a Search? No. You have to disclose only that material information of which you are aware. You do not have to search actively for such information. However, we suggest that you thoughtfully consider any publications you have access to, and any public uses, public disclosures, sales, and offers for sale which may have been made by the company, by you, or by others associated with you.

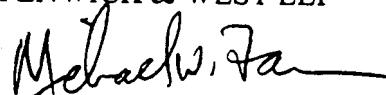
Ignatius Tjandrasuwita
January 23, 1998
Page 3

What Happens if I Don't Disclose Information of Which I am Aware? Failure to make a full disclosure, as described above, may seriously jeopardize the patent owner's ability to enforce any patent that might issue. Willful failure to provide pertinent information may be grounds for invalidating any subsequently issued patent and may result in an action for damages against the patent owner. Reasonable doubts as to an item of information should be resolved in favor of disclosing it to us for our review so that we can determine whether it should be disclosed to the USPTO.

The duty of disclosure is an ongoing duty throughout the pendency of the patent application. Accordingly, if you become aware of any material information at any time before the patent issues, you should promptly forward it to us for timely submission to the USPTO.

Please contact me at (650) 858-7823 if you have any questions or comments regarding this or other matters.

Sincerely,
FENWICK & WEST LLP



Michael W. Farn

cc: Leif Sloan

18235//709155

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the persons named below (referred to as "INVENTOR" whether singular or plural) have sold, assigned, and transferred and does hereby sell, assign, and transfer to S3 Incorporated, a Delaware corporation, having a place of business at 2801 Mission College Boulevard, Santa Clara, CA 95052-8058 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the application for United States Letters Patent entitled: "System and Methods for 2-Tap / 3-Tap Flicker Filtering" ("APPLICATION"), which:

is to be filed herewith

was filed on November 13, 1997, now bearing U.S. serial number 08/969,637 and for which a Declaration was executed by INVENTOR on the date(s) below; and

2. The entire worldwide right, title, and interest in and to:

(a) the APPLICATION, including any right of priority; (b) any divisional, continuation, substitute, renewal, reissue, and other related applications which have been or may be filed in the United States or elsewhere in the world; and (c) any patents which may be granted on the applications set forth in (a) and (b) above.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has made or will make hereafter no assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

| <u>Name and Signature</u> | <u>Date of Signature</u> | <u>Date Declaration Executed By This Person</u> |
|---------------------------|------------------------------|---|
| Reena Premi | <u>1997</u> | <u>, 1997</u> |
| William S. Herz | <u>1997</u> | <u>, 1997</u> |
| Ignatius B. Tjandrasuwita | <u>1998</u> | <u>, 1998</u> |

Title of Document: **ASSIGNMENT****Re:****Title:**

System and Methods for 2-Tap / 3-Tap Flicker Filtering

Filed: (if applicable)**Serial No.: (if applicable)**State of California

County of _____

On _____ before me, _____ personally
[DATE] [NOTARY PUBLIC]

appeared Reena Premi personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

State of California

County of _____

On _____ before me, _____ personally
[DATE] [NOTARY PUBLIC]

appeared William S. Herz personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

State of California

County of _____

On _____ before me, _____ personally
[DATE] [NOTARY PUBLIC]

appeared Ignatius B. Tjandrasuwita personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

0010/PTO
Rev. 6/95U.S. Department of Commerce
Patent and Trademark Office

**DECLARATION FOR
UTILITY OR DESIGN
PATENT APPLICATION**

Declaration Submitted with Initial Filing OR Declaration Submitted after Initial Filing

Attorney Docket Number **2723**First Named Inventor **Reena Premi***COMPLETE IF KNOWN*Application Number **08/969,637**Filing Date **November 13, 1997**Group Art Unit **Unknown**Examiner Name **Unknown**

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SYSTEM AND METHODS FOR 2-TAP / 3-TAP FLICKER FILTERING

the specification of which

(Title of the Invention)

 is attached hereto

OR

 was filed on (MM/DD/YYYY) November 13, 1997 as United States Application Number or PCT International

Application Number 08/969,637 and was amended on (MM/DD/YYYY) _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code § 119 (a)-(d) or § 385(b) of any foreign application(s) for patent or inventor's certificate, or § 365 (a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application Number(s) | Country | Foreign Filing Date (MM/DD/YYYY) | Priority Not Claimed | Certified Copy Attached? YES | Certified Copy Attached? NO |
|-------------------------------------|---------|----------------------------------|--------------------------|------------------------------|-----------------------------|
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

 Additional foreign application numbers are listed on a supplemental priority sheet attached hereto:

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

| Application Number(s) | Filing Date (MM/DD/YYYY) | <input type="checkbox"/> Additional provisional application numbers are listed on a supplemental sheet attached hereto. |
|-----------------------|--------------------------|---|
| | | |

DECLARATION

Page 2

I hereby claim the benefit under Title 35, United States Code § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

| U.S. Parent Application Number | PCT Parent Number | Parent Filing Date (MM/DD/YYYY) | Parent Patent Number (if applicable) |
|--------------------------------|-------------------|---------------------------------|--------------------------------------|
| | | | |

Additional U.S. or PCT international application numbers are listed on a supplemental priority sheet attached hereto.

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

| Name | Registration Number | Name | Registration Number |
|---|----------------------------|----------------------------------|---------------------|
| Sanjay Prasad Albert C. Smith Michael W. Farn | 36,247 20,355 41,015 | Rajiv P. Patel Greg T. Sueoka | 39,327 33,800 |

Additional attorney(s) and/or agent(s) named on a supplemental sheet attached hereto.

Please direct all correspondence to:

Michael W. Farn
Fenwick & West LLP
Two Palo Alto Square, Suite #700
Palo Alto, California 94306
U.S.A.

| | | | |
|-----------|------------------|-----|----------------|
| Telephone | (415) 858 - 7823 | Fax | (415) 494-1417 |
|-----------|------------------|-----|----------------|

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor: A petition has been filed for this unsigned inventor

| | | | | | | | |
|------------|-------|----------------|--|-------------|-------|-----------------|--|
| Given Name | Reena | Middle Initial | | Family Name | Premi | Suffix e.g. Jr. | |
|------------|-------|----------------|--|-------------|-------|-----------------|--|

| | | | |
|----------------------|--|------|--|
| Inventor's Signature | | Date | |
|----------------------|--|------|--|

| | | | | | | | |
|-----------------|-------------|-------|----|---------|--------|-------------|-------|
| Residence: City | Santa Clara | State | CA | Country | U.S.A. | Citizenship | India |
|-----------------|-------------|-------|----|---------|--------|-------------|-------|

| | |
|-----------------|----------------------|
| Mailing Address | 2200 Agnew Road #211 |
|-----------------|----------------------|

| | |
|-----------------|--|
| Mailing Address | |
|-----------------|--|

| | | | | | | | |
|------|-------------|-------|----|-----|-------|---------|--------|
| City | Santa Clara | State | CA | Zip | 95054 | Country | U.S.A. |
|------|-------------|-------|----|-----|-------|---------|--------|

| |
|---|
| <input checked="" type="checkbox"/> Additional inventors are being named on supplemental sheet(s) attached hereto |
|---|

DECLARATION**ADDITIONAL INVENTOR(S)**
Supplemental Sheet**Name of Additional Joint Inventor, if any:** A petition has been filed for this unsigned inventor

| | | | | | | | |
|----------------------|---------------------|----------------|----|-------------|--------|-----------------|--------|
| Given Name | William | Middle Initial | S. | Family Name | Herz | Suffix e.g. Jr. | |
| Inventor's Signature | | | | | Date | | |
| Residence: City | Newark | State | CA | Country | U.S.A. | Citizenship | U.S.A. |
| Mailing Address | 39708 Potrero Drive | | | | | | |
| Mailing Address | | | | | | | |
| City | Newark | State | CA | Zip | 94560 | Country | U.S.A. |

Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor

| | | | | | | | |
|----------------------|---------------------|----------------|----|-------------|---------------|-----------------|--------|
| Given Name | Ignatius | Middle Initial | B. | Family Name | Tjandrasuwita | Suffix e.g. Jr. | |
| Inventor's Signature | | | | | Date | | |
| Residence: City | Union City | State | CA | Country | U.S.A. | Citizenship | U.S.A. |
| Mailing Address | 32421 Seaside Drive | | | | | | |
| Mailing Address | | | | | | | |
| City | Union City | State | CA | Zip | 94587 | Country | U.S.A. |

Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor

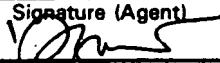
| | | | | | | | |
|----------------------|--|----------------|--|-------------|------|-----------------|--|
| Given Name | | Middle Initial | | Family Name | | Suffix e.g. Jr. | |
| Inventor's Signature | | | | | Date | | |
| Residence: City | | State | | Country | | Citizenship | |
| Mailing Address | | | | | | | |
| Mailing Address | | | | | | | |
| City | | State | | Zip | | Country | |

Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor

| | | | | | | | |
|----------------------|--|----------------|--|-------------|------|-----------------|--|
| Given Name | | Middle Initial | | Family Name | | Suffix e.g. Jr. | |
| Inventor's Signature | | | | | Date | | |
| Residence: City | | State | | Country | | Citizenship | |
| Mailing Address | | | | | | | |
| Mailing Address | | | | | | | |
| City | | State | | Zip | | Country | |

 Additional inventors are being named on supplemental sheet(s) attached hereto

18235-02723

| | |
|---|--|
| SENDER: • Complete items 1 and/or 2 for additional services. • Complete items 3, and 4a & b. • Print your name and address on the reverse of this form so that we can return this card to you. • Attach this form to the front of the mailpiece, or on the back if space does not permit. • Write "Return Receipt Requested" on the mailpiece below the article number. • The Return Receipt will show to whom the article was delivered and the date delivered. | |
| 3. Article Addressed to: Ignatius Tjandrasuwita 32421 Seaside Drive Union City, CA 94587 | |
| 4a. Article Number Z 701 860 754 | |
| 4b. Service Type <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input checked="" type="checkbox"/> Return Receipt for Merchandise | |
| 7. Date of Delivery 12/15/91 | |
| 5. Signature (Addressee) <hr/> 6. Signature (Agent)  | |
| 8. Addressee's Address (Only if requested and fee is paid) | |

PS Form 3811, December 1991 *U.S. GPO: 1993-362-714 DOMESTIC RETURN RECEIPT

Is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.

P 415 454 228

US Postal Service
Receipt for Certified Mail

No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

| | |
|---|------------------------|
| Sept 10 | Ignatius Tjandrasuwita |
| Street & Number | 32421 Seaside Drive |
| Post Office, State, & ZIP Code | Union City, CA 94587 |
| Postage | \$ 3.00 |
| Certified Fee | 1.35 |
| Special Delivery Fee | |
| Restricted Delivery Fee | |
| Return Receipt Showing to Whom & Date Delivered | 1/10 |
| Return Receipt Showing to Whom, Date, & Addressee's Address | |
| TOTAL Postage & Fees | \$ 5.45 |
| Postmark or Date | 18235-02723 M. Farn |

PS Form 3800 April 1995

FENWICK & WEST LLP

A LIMITED LIABILITY PARTNERSHIP
INCLUDING PROFESSIONAL CORPORATIONS

SUITE 300
100 THE EMBARCADERO
SAN FRANCISCO, CA 94105
(415) 281-1330

TWO PALO ALTO SQUARE
PALO ALTO, CALIFORNIA 94306
TELEPHONE: (650) 494-0600
FACSIMILE: (650) 494-1417

SUITE 650
1920 N STREET NORTHWEST
WASHINGTON, D.C. 20036
(202) 463-6300

March 19, 1998

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Ignatius Tjandrasuwita
32421 Seaside Drive
Union City, CA 94587

RE: U.S. Patent Application Serial No.: 08/969,637
Title: System and Methods for 2-Tap/ 3-Tap Flicker Filtering
Filed: November 13, 1997
Inventor: Reena Primi, William S. Herz, Ignatius B. Tjandrasuwita
Our Ref.: Case 2723
Your Ref.: 96MB0008

Dear Ignatius:

I am pleased to enclose for your information (i) the above-identified patent application, filed on November 13, 1997, for which we believe you may be an inventor, (ii) a Declaration and Power of Attorney for this patent application, and (iii) an Assignment for this patent application. These items are the same as those in my previous package dated January 23, 1998.

Please note that we have received correspondence from the United States Patent and Trademark Office (USPTO) setting deadlines for the completion of the enclosed items. Accordingly, kindly complete the following instructions by **April 24, 1998**.

Please review the specification, claims, and drawings. If you do not believe that you are an inventor to this application, please contact me so we may remove you as one of the named inventors. If you believe that you are an inventor, please execute the attached documents as follows after you review the specification.

Declaration and Power of Attorney: Please sign and date where indicated.

Assignment: Please review this document carefully, and, if appropriate, sign and date where indicated. Please note that you must sign the Declaration before you sign the Assignment. It is preferable, although not necessary, to execute the Assignment in the presence of a notary public.

Ignatius Tjandrasuwit

March 19, 1998

Page 2

Note that there are two date columns on the assignment. In the first date column, you should write the date on which you signed the Assignment. In the second date column, you should write the date on which you signed the Declaration.

Please send the original application and executed documents back to me using the enclosed Federal Express envelope, by April 24, 1998.

Please contact me at (650) 858-7823 or mwf@fwpa.com if you have any questions or comments regarding this or other matters. In addition, I have tried to contact you repeatedly at 510-489-3175. Please contact me to confirm that this is the correct number for you.

Thank you for your prompt attention to this matter.

Sincerely,
FENWICK & WEST LLP



Michael W. Farn

Enclosures

cc: Leif Sloan

18235//709155

| | | | |
|--|--|------------------------|-------------------|
| 0010/PTO Rev. 6/95 | U.S. Department of Commerce Patent and Trademark Office | Attorney Docket Number | 2723 |
| | | First Named Inventor | Reena Premi |
| <i>COMPLETE IF KNOWN</i> | | | |
| | | Application Number | 08/969,637 |
| | | Filing Date | November 13, 1997 |
| | | Group Art Unit | 2774 |
| <input type="checkbox"/> Declaration Submitted with Initial Filing | | Examiner Name | Unknown |

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SYSTEM AND METHODS FOR 2-TAP / 3-TAP FLICKER FILTERING

the specification of which *(Title of the Invention)*

is attached hereto

OR

was filed on (MM/DD/YYYY) November 13, 1997 as United States Application Number or PCT International Application Number 08/969,637 and was amended on (MM/DD/YYYY) [] (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code § 119 (a)-(d) or § 385(b) of any foreign application(s) for patent or inventor's certificate, or § 365 (a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application Number(s) | Country | Foreign Filing Date (MM/DD/YYYY) | Priority Not Claimed | Certified Copy Attached? YES | Certified Copy Attached? NO |
|-------------------------------------|---------|----------------------------------|--------------------------|---------------------------------|--------------------------------|
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
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| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Additional foreign application numbers are listed on a supplemental priority sheet attached hereto:

| I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below. | | |
|--|--------------------------|---|
| Application Number(s) | Filing Date (MM/DD/YYYY) | <input type="checkbox"/> Additional provisional application numbers are listed on a supplemental sheet attached hereto. |
| | | |

DECLARATION

Page 2

I hereby claim the benefit under Title 35, United States Code § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

| U.S. Parent Application Number | PCT Parent Number | Parent Filing Date. (MM/DD/YYYY) | Parent Patent Number (if applicable) |
|--------------------------------|-------------------|-------------------------------------|---|
| | | | |

Additional U.S. or PCT international application numbers are listed on a supplemental priority sheet attached hereto.

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

| Name | Registration Number | Name | Registration Number |
|---|----------------------------|----------------------------------|---------------------|
| Sanjay Prasad Albert C. Smith Michael W. Farn | 36,247 20,355 41,015 | Rajiv P. Patel Greg T. Sueoka | 39,327 33,800 |

Additional attorney(s) and/or agent(s) named on a supplemental sheet attached hereto.

Please direct all correspondence to:

Michael W. Farn
Fenwick & West LLP
Two Palo Alto Square, Suite #700
Palo Alto, California 94306
U.S.A.

| | | | |
|-----------|------------------|-----|----------------|
| Telephone | (415) 858 - 7823 | Fax | (415) 494-1417 |
|-----------|------------------|-----|----------------|

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| | | | | | | | | | |
|---|----------------------|---|----|-------------|--------|---------|-------------|-----------------|--|
| Name of Sole or First Inventor: | | <input type="checkbox"/> A petition has been filed for this unsigned inventor | | | | | | | |
| Given Name | Reena | Middle Initial | | Family Name | Premi | | | Suffix e.g. Jr. | |
| Inventor's Signature | | | | | | Date | | | |
| Residence: City | Santa Clara | State | CA | Country | U.S.A. | | Citizenship | India | |
| Mailing Address | 2200 Agnew Road #211 | | | | | | | | |
| Mailing Address | | | | | | | | | |
| City | Santa Clara | State | CA | Zip | 95054 | Country | U.S.A. | | |
| <input checked="" type="checkbox"/> Additional inventors are being named on supplemental sheet(s) attached hereto | | | | | | | | | |

| DECLARATION | | | | | ADDITIONAL INVENTOR(S) Supplemental Sheet | | | | | |
|--|---------------------|--|----------------|----|---|---|---------|-----------------|-----------------|--|
| Name of Additional Joint Inventor, if any: | | | | | <input type="checkbox"/> A petition has been filed for this unsigned inventor | | | | | |
| Given Name | William | | Middle Initial | S. | Family Name | Herz | | Suffix e.g. Jr. | | |
| Inventor's Signature | | | | | | Date | | | | |
| Residence: City | Newark | | State | CA | Country | U.S.A. | | Citizenship | U.S.A. | |
| Mailing Address | 39708 Potrero Drive | | | | | | | | | |
| Mailing Address | | | | | | | | | | |
| City | Newark | | State | CA | Zip | 94560 | Country | U.S.A. | | |
| Name of Additional Joint Inventor, if any: | | | | | | <input type="checkbox"/> A petition has been filed for this unsigned inventor | | | | |
| Given Name | Ignatius | | Middle Initial | B. | Family Name | Tjandrasuwita | | Suffix e.g. Jr. | | |
| Inventor's Signature | | | | | | Date | | | | |
| Residence: City | Union City | | State | CA | Country | U.S.A. | | Citizenship | U.S.A. | |
| Mailing Address | 32421 Seaside Drive | | | | | | | | | |
| Mailing Address | | | | | | | | | | |
| City | Union City | | State | CA | Zip | 94587 | Country | U.S.A. | | |
| Name of Additional Joint Inventor, if any: | | | | | | <input type="checkbox"/> A petition has been filed for this unsigned inventor | | | | |
| Given Name | | | Middle Initial | | Family Name | | | | Suffix e.g. Jr. | |
| Inventor's Signature | | | | | | Date | | | | |
| Residence: City | | | State | | Country | | | Citizenship | | |
| Mailing Address | | | | | | | | | | |
| Mailing Address | | | | | | | | | | |
| City | | | State | | Zip | | Country | | | |
| Name of Additional Joint Inventor, if any: | | | | | | <input type="checkbox"/> A petition has been filed for this unsigned inventor | | | | |
| Given Name | | | Middle Initial | | Family Name | | | | Suffix e.g. Jr. | |
| Inventor's Signature | | | | | | Date | | | | |
| Residence: City | | | State | | Country | | | Citizenship | | |
| Mailing Address | | | | | | | | | | |
| Mailing Address | | | | | | | | | | |
| City | | | State | | Zip | | Country | | | |
| <input type="checkbox"/> Additional inventors are being named on supplemental sheet(s) attached hereto | | | | | | | | | | |

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the persons named below (referred to as "INVENTOR" whether singular or plural) have sold, assigned, and transferred and does hereby sell, assign, and transfer to S3 Incorporated, a Delaware corporation, having a place of business at 2801 Mission College Boulevard, Santa Clara, CA 95052-8058 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the application for United States Letters Patent entitled: "System and Methods for 2-Tap / 3-Tap Flicker Filtering" ("APPLICATION"), which:

is to be filed herewith

was filed on November 13, 1997, now bearing U.S. serial number 08/969,637 and for which a Declaration was executed by INVENTOR on the date(s) below; and

2. The entire worldwide right, title, and interest in and to:

(a) the APPLICATION, including any right of priority; (b) any divisional, continuation, substitute, renewal, reissue, and other related applications which have been or may be filed in the United States or elsewhere in the world; and (c) any patents which may be granted on the applications set forth in (a) and (b) above.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has made or will make hereafter no assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

| <u>Name and Signature</u> | <u>Date of Signature</u> | <u>Date Declaration Executed By This Person</u> |
|---------------------------|------------------------------|---|
| Reena Premi | .1997 | , 1997 |
| William S. Herz | .1997 | , 1997 |
| Ignatius B. Tjandrasuwita | .1998 | , 1998 |

Title of Document: **ASSIGNMENT**

Re:
Title: System and Methods for 2-Tap / 3-Tap Flicker Filtering
Filed: (if applicable)
Serial No.: (if applicable)

State of California

County of _____

On _____ before me, _____ personally
[DATE] [NOTARY PUBLIC]

appeared Reena Premi personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

State of California

County of _____

On _____ before me, _____ personally
[DATE] [NOTARY PUBLIC]

appeared William S. Herz personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

State of California

County of _____

On _____ before me, _____ personally
[DATE] [NOTARY PUBLIC]

appeared Ignatius B. Tjandrasuwita personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Fold at line over top of envelope to
the right of the return address

CERTIFIED

P 415 454 228

MAIL



**RECEIPT
REQUESTED**

FROM FENWICK & WEST LLP
A LIMITED LIABILITY PARTNERSHIP
INCLUDING PROFESSIONAL CORPORATIONS
TWO PALO ALTO SQUARE
PALO ALTO, CALIFORNIA 94306

TO Ignatius Tjandrasuwita
32421 Seaside Drive
Union City, CA 94587

UNCLAIMED